

### Abstract

A mold core of an injection molding tool for the injection molding of preforms of plastic material. The mold core is in the form of a hollow casing which is closed at one end, with a central axis, an outer surface, an inner surface and a hollow cooling tube. The hollow tube is arranged in the mold core at a spacing from the inner surface and is in communication with coolant feed conduits and coolant discharge conduits. The cooling tube extends coaxially with respect to the mold core over almost the entire length thereof and is provided at the downstream end with an outlet opening and cooling grooves are provided on the inner surface of the mold core.